

Contents

Tables page v **Figures** page ix Introduction page-1-1-1 **Chemical Treatments** Overview page 2-1-1 **Fumigants** page 2-2-1 Fumigants • Methyl Bromide page 2-3-1 Fumigants • Methyl Bromide • Tarpaulin Fumigation page 2-4-1 Fumigants • Methyl Bromide • Chamber Fumigation page 2-5-1 Fumigants • Methyl Bromide • Ship Fumigation page 2-6-1 Fumigants • Methyl Bromide • Structure Fumigation page 2-7-1 Fumigants • Methyl Bromide • Special Procedures for Container Fumigations Without a Tarpaulin page 2-8-1 Fumigants • Sulfuryl Fluoride page 2-9-1 Fumigants • Phosphine • Tarpaulin (NAP Chamber or Container) page 2-10-1 Aerosols and Micronized Dusts page 2-11-1 page 2-12-1 Dips **Dusts** page 2-13-1 Sprays *page 2-14-1* **Nonchemical Treatments** Overview page 3-1-1 Heat *page 3-2-1* Heat • Hot Water Immersion Treatment page 3-3-1 Heat • Steam Treatments page 3-4-1 Heat • Vapor Heat Treatment page 3-5-1 Heat • Forced Hot Air page 3-6-1 Cold Treatment (CT) page 3-7-1 Irradiation page 3-8-1 **Residue Monitoring** page 4-1-1 Overview Instructions for Collecting, Packaging, and Shipping Residue Monitoring Samples page 4-2-1 **Treatment Schedules** Index to Schedules page 5-1-1 T100 - Schedules for Fruit, Nuts, and Vegetables page 5-2-1

```
T200 - Schedules for Propagative Plant Material
                                                  page 5-3-1
  T300 - Schedules for Miscellaneous Plant Products
                                                     page 5-4-1
  T400 - Schedules for Miscellaneous Products
                                               page 5-5-1
                                                page 5-6-1
  T500 - Schedules for Plant Pests or Pathogens
Certifying Facilities
  Overview
              page 6-1-1
Certifying Facilities
                                                 page 6-2-1
  Certification of Vacuum Fumigation Chambers
  Certification of Atmospheric Fumigation Chambers page 6-3-1
  Certification of Cold Treatment page 6-4-1
  Certification of Hot Water Immersion Facilities
                                                 page 6-5-1
  Certification of Forced Hot Air and Vapor Heat Treatment
    Facilities
               page 6-6-1
                                                 page 6-7-1
  Certification of Niger Seed Treatment Facilities
  Certification of Irradiation Treatment Facilities
                                                 page 6-8-1
Emergency Aid and Safety
  Fumigation Exposure
                         page 7-1-1
  Pesticide Exposure page 7-2-1
  Guidelines for Managing Pesticide Spills page 7-3-1
  Hazard Communication and Material Safety Data Sheets
                                                         page 7-4-1
Equipment
Glossary
Appendixes
     page A-1-1
Appendix A
  Forms
           page A-1-1
Appendix B
  Coast Guard Regulations
                            page B-1-1
Appendix C
  Maintenance: Supporting and Updating Manuals
                                                  page C-1-1
Appendix D
  Conversion Tables
                      page D-1-1
Appendix E
  Directory of Treatment Facilities
                                   page E-1-1
Appendix F
  List of Integral Containers Approved for Intransit Cold
    Treatment page F-1-1
Appendix G
  List of Vessels Equipped for Intransit Cold Treatment
                                                      page G-1-1
Appendix H
  Reference Guide to Commercial Suppliers of Treatment and Related Safety
    Equipment
                page H-1-1
Appendix I
  Contacts
             page I-1-1
Appendix J
```

Frequently Asked Questions (FAQ's) page J-1-1
Appendix K
Information Resources page K-1-1
Index
page Index-1-1
Comment Sheet